

ABSTRACT OF THE DISCLOSURE

A mobile station in a mobile radio system can send different types of packet mode resource requests to a network, corresponding to different transfer modes that can be supported by the mobile station, a mobile station being able to use one or the other of request types corresponding to transfer modes that it supports, in accordance with its requirements. In a method of allocating packet mode resources in the mobile radio system, for signaling data transfer in the uplink direction, the signaling being liable to generate an allocation of packet mode resources in the uplink direction for user data transfer, a mobile station uses a type of packet mode resource request corresponding to a transfer mode best suited to the requirements of the user data transfer.